

**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Designetics
Lucas County
Hazardous Waste
Notice of Violation

October 29, 2010

Mr. Craig Williams, President
Designetics
1624 South Eber Road
Holland, Ohio 43528

Dear Mr. Williams:

On October 13, 2010, Wendy Miller and I conducted a compliance evaluation inspection at Designetics located at 1624 South Eber Road in Holland, Ohio. We inspected Designetics to determine its compliance with Ohio's hazardous waste laws as found in Chapter 3734 of the Ohio Revised Code (ORC) and Chapter 3745 of the Ohio Administrative Code (OAC). Pollution prevention options were also discussed during this inspection. This letter will explain the violations we found and what you need to do to correct these violations.

During our visit we spoke with you and Charles Barnhart, R&D Engineer; observed your operations and reviewed paperwork. Designetics specializes in manufacturing plastic parts which are sold to the automotive industry for applying adhesives. The parts are made using injection molding and approximately 1600 different parts are manufactured at your facility. Designetics re-grinds the scrap plastic ends and reuses it back into the process. The injection molding machines generate used oil when preventative maintenance is conducted once a year. The used oil generated is picked up the day the maintenance is done by Chemtron. Used oil is also generated in the machine shop and in the compressor room and is stored in 55-gallon poly drums. The coolant oil and compressor oil are also picked up by Chemtron.

Wipe solvent is generated when products for a specific customer are flushed or cleaned in the laboratory hood. The spent wipe solvent (D001, F003, F005) contains acetone, methanol and toluene. The spent wipe solvent is stored in a 55-gallon satellite accumulation drum which is inside a secure flammable cabinet located in the laboratory. Designetics generates approximately 8-10 gallons of spent wipe solvent a month which is picked up for disposal by Chemtron. Spent fluorescent lamps are managed as a solid waste. At the time of our inspection, Designetics was operating as a conditionally exempt small quantity generator of hazardous waste.

We found the following violations of Ohio's hazardous waste and used oil laws. In order to correct these violations you must do the following and send me the required information within 30 days of your receipt of this letter:

1. Waste Evaluation, OAC Rule 3745-52-11:

Any person who generates a waste must determine if that waste is a hazardous waste by using generator knowledge or by testing the waste.

Designetics failed to have waste evaluation documentation or an established recycling plan in place for the fluorescent bulbs generated at the facility. At the time of our inspection, approximately five spent fluorescent bulbs were stored in a corner near the machine shop.

Hazardous bulbs are considered "spent materials" and remain hazardous waste even when recycled. Hazardous waste lamp generators have the option of handling their lamps as hazardous waste or as universal waste. Managing hazardous waste lamps under the universal waste rules eases certain regulations imposed on generators of spent lamps.

Please be aware that incandescent, fluorescent, metal halide, neon, high-intensity discharge, high-pressure sodium and mercury-vapor lamps could be hazardous waste when discarded. Fluorescent lamps may contain up to 40 milligrams (mg) of mercury, depending on the brand and manufacturer. Lamps may also contain lead and cadmium. Many lamps exhibit a characteristic of toxicity for heavy metals when disposed. A copy of Fluorescent Lamps: What You Should Know was given to you at the time of my inspection. I recommend that you review this document and contact me if you have any questions.

Designetics must submit to Ohio EPA documentation to demonstrate how you plan to properly manage your fluorescent bulbs. If Designetics plans to manage the spent fluorescent bulbs as universal waste, please submit photographic documentation showing the spent bulbs, identified at the time of our inspection, stored in a container that is properly closed, labeled, and dated.

If you plan to manage the spent fluorescent bulbs as universal waste, Designetics must also properly train employees, who handle or have responsibility for managing universal waste, on waste handling and emergency procedures relative to their responsibilities. Please review the universal waste requirements with the appropriate employees and send me documentation (memo or sign-in sheets) that this has been completed. In addition, Designetics must submit the name of the facility where you plan to recycle the bulbs.

2. OAC Rule 3745-279-22(C)(1): Labeling:

Containers, aboveground tanks, and fill pipes used for underground storage tanks shall be labeled or marked clearly with the words "used oil."

Designetics had one 55-gallon drum of used coolant oil in the machine shop and one 55-gallon drum of used oil in the compressor room that were not properly labeled.

At the time of my inspection, Designetics properly labeled the two 55-gallon drums with the words "used oil". A copy of the fact sheet, The Regulation of Used Oil: An Overview for Ohio Businesses Who Generate Use Oil, was given to you at the time of my inspection. Please review this information and contact me if you have any questions.

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Therefore, this violation is considered abated.

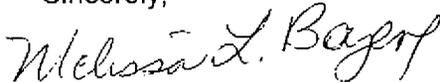
Ohio EPA will issue an EPA ID number to track our inspection activity. Designetics cannot use this number for manifesting hazardous waste shipments. If Designetics wants to use an EPA ID number for manifesting and other hazardous waste, used oil or universal waste activities, you must complete and submit a Notification of Regulated Waste Activity form (*EPA Form 9029 (Rev. 11/2002)*) to Ohio EPA. You can obtain this form by contacting the Division of Hazardous Waste Management, Central Office, at (614) 644-2977 or on the Ohio EPA's website www.epa.ohio.gov. This form can also be submitted electronically.

Ohio EPA has helpful information about compliance assistance and pollution prevention at the following web address: <http://www.epa.ohio.gov/ocapp>. In addition, you can find copies of the rules and other information on the division's web page at: <http://www.epa.ohio.gov/dhwm/>.

Enclosed you will find a copy of the checklists that I completed during the inspection.

Should you have any questions or if I can be of assistance, please contact me at (419) 373-3066.

Sincerely,



Melissa L. Boyers
Division of Hazardous Waste Management

/lir

Enclosures

pc: Cindy Lohrbach, DHWM, NWDO
Colleen Weaver, DHWM, NWDO
DHWM, NWDO 2010 Lucas County General File (w/original enc.)

ec: Melissa Boyers, DHWM, NWDO

Notice:

Ohio's EPA's failure to list specific deficiencies or violations in this letter does not relieve your company from having to comply with all applicable regulations.

Send to Central Office <input type="checkbox"/>	Ohio Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION/VERIFICATION FORM	For Ohio EPA use only
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Completed verification forms required to be submitted to CO should be e-mailed to paula.canter@epa.state.oh.us.

Site EPA ID No. Site Name Site Location Information Site Land Type (check only one) NAICS code(s) www.census.gov/epcd/www/naics.html	EPA ID Number:		Website: (Optional)	
	Name: Designetics			
Street Address: 1624 South Eber Road				
City, Town, or Village: Holland		State: OH		
County Name: Lucas		Zip Code: 43528		
Private <input checked="" type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/>				

Facility Representative Additional names can be recorded in number 12 Only provide address information if it is different than the site address	First Name: Craig		MI:	Last Name: Williams	
	Title: President				
	Phone Number: 419-866-0700			Phone Number Extension:	
	E-Mail Address:				
	Fax Number: 419-866-0767			Fax Number Extension:	
	Street or P.O. Box:				
	City, Town or Village:				
State:			Zip Code:		

Legal Owner And Operator of the Site. List Additional Owners and/or Operators in the Comment Section or on another copy of this form page	Name of Site's Legal Owner:				Date Became Owner (mm/dd/yyyy):					
	Owner Type:	Private <input type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
	Street or P.O. Box:									
	City, Town or Village:					Owner Phone #:				
	State:					Country:		Zip Code:		
	Name of Site's Operator:					Date Became Operator (mm/dd/yyyy):				
	Operator Type:	Private <input type="checkbox"/>	County <input type="checkbox"/>	District <input type="checkbox"/>	Federal <input type="checkbox"/>	Indian <input type="checkbox"/>	Municipal <input type="checkbox"/>	State <input type="checkbox"/>	Other <input type="checkbox"/>	
	Street or P.O. Box:									
	City, Town or Village:					Operator Phone #:				
	State:					Country:		Zip Code:		

VIOLATIONS CITED? Yes No

TYPE OF HANDLER - MARK "X" AS APPROPRIATE		
<input type="checkbox"/> Not a HW Generator	<input type="checkbox"/> UNKNOWN: Cited for violation of 3745-52-11 <input type="checkbox"/> Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). <i>Check the box for the applicable generator status and provide a comment.</i>	<input type="checkbox"/> Large Quantity Generator (LQG) <input type="checkbox"/> Small Quantity Generator (SQG) <input checked="" type="checkbox"/> Conditionally Exempt Small Quantity Generator <input type="checkbox"/> U.S. Importer of Hazardous Waste <input type="checkbox"/> Mixed Waste (Hazardous and Radioactive) Generator

TYPE OF REGULATED WASTE ACTIVITY (MARK "X" IN ALL OF THE APPROPRIATE BOXES)

- | | |
|---|--|
| <input type="checkbox"/> Hazardous Waste Transporter | <input type="checkbox"/> Exempt Boiler and/or Industrial Furnace |
| <input type="checkbox"/> Hazardous Waste Transfer Facility | <input type="checkbox"/> Small Quantity On-Site Burner Exemption |
| <input type="checkbox"/> Treater, Storer or Disposer of Hazardous Waste | <input type="checkbox"/> Smelting, Melting, Refining Furnace Exemption |
| <input type="checkbox"/> Recycler of Hazardous Waste | <input type="checkbox"/> Underground Injection Control Facility |
| | <input type="checkbox"/> Receives Hazardous Waste from Off-site |

UNIVERSAL WASTE ACTIVITIES (INDICATE TYPES OF UNIVERSAL WASTE MANAGED (CHECK ALL BOXES THAT APPLY))

- | | |
|---|---|
| <input type="checkbox"/> Small Quantity Handler of Universal Waste | <input type="checkbox"/> Destination Facility for Universal Waste |
| <input type="checkbox"/> Large Quantity Handler of Universal Waste
(accumulates 5,000 kg. or more) | |

CHECK ALL BOXES BELOW THAT APPLY FOR THE TYPES OF UNIVERSAL WASTE THE FACILITY MANAGES

- Batteries
- Pesticides
- Mercury containing equipment
- Lamps

USED OIL ACTIVITIES (INDICATE TYPE(S) OF ACTIVITY(S))

- Used Oil Generator
- Used Oil Transporter
- Used Oil Transfer Facility
- Used Oil Processor
- Used Oil Re-refiner
- Off-Specification Used Oil Burner
- Used Oil Fuel Marketer who directs shipment of Off-Spec Used Oil
- Used Oil Fuel Marketer who first claims the Used Oil meets the specifications

Waste Codes for Federally Regulated Hazardous Wastes. Please list the codes for the federally regulated hazardous waste handled at the site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page or list them in the comments if more space is needed. If the waste codes are the same as listed in the most recent RCRAInfo source record, you do not need to list them. Instead just indicate the date of the most recent source record.

D001 F003 F005

COMMENTS: USE THIS AREA TO DESCRIBE WHETHER THE INSPECTION WAS ANNOUNCED, WHETHER THE WASTE IS STORED IN TANKS OR CONTAINERS, ETC.

Announced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Additional Facility Representatives:	Charles Barnhart
Tanks	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		

Name of Inspector(s)
Melissa Boyers

Name of Inspector(s)
Wendy Miller

Date of Inspection/Time
(mm/dd/yyyy) (hh:mm)
10/13/2010 12:05

Comments:

PROCESS DESCRIPTION/WASTE ACTIVITIES SUMMARY

Facility Name: Designetics **Facility Type:** LQG/SQG/CESQG/TSD **EPA ID#:**

<i>Description of Waste</i>				<i>On-Site Management</i>			<i>Off-Site Management</i>
Process/Activity Generating Waste <small>(e.g. plating bath, machining, baghouse, painting, etc)</small>	Waste Generated <small>(e.g. sludge, spent solvent, ash, etc)</small>	EPA Waste Code	QTY Generated per Month	Type of Accumulation/Storage <small>(e.g. container, tank, etc)</small>	Type of On-Site Treatment <small>(recycle, wwt, etc)</small>	Waste Location <small>(Include map if possible)</small>	Name, state, and type of activity occurring at the facility.
1	Lighting	Spent Fluorescent Bulbs					Currently managing them as solid waste. Facility was given fact sheets for universal waste lamps.
2	Maintenance of equipment & compressor operation	Used Oil		55- gallon poly drums		Machine shop and compressor room	Chemtron
3	Parts Cleaning	Spent Wipe Solvent	D001, F003, F005	10-gal.	55-gallon drum	Flammable cabinet in laboratory	Chemtron
4							

**CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS, WASTE, P2 SUMMARY SHEET**

CESQG: <100Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: >1,000 Kg. (~300 gallons) of waste in a calendar month or 1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

WASTE EVALUATION

1. Have all wastes generated at the facility been adequately evaluated? [3745-52-11] Yes No N/A

GENERATOR CLASSIFICATION

2. Does the generator produce <100 kg. of hazardous waste per month? [conditionally exempt small quantity generator ("CESQG")] Yes No N/A

NOTE: If quantities of hazardous waste accumulated on-site at any one time exceed 1,000 Kg. - or the generator produces between 100 and 1,000 Kg. of hazardous waste per month, it is operating as a Small Quantity Generator ("SQG"). If so, complete the Small Quantity Generator Requirements checklist.

OFF-SITE SHIPMENT OF HAZARDOUS WASTE

3. Does the CESQG ensure delivery of hazardous waste(s) to an off-site permitted TSD? [3734.02(F)] Chemtron Yes No N/A

TREATMENT OF HAZARDOUS WASTE

4. Does the generator treat hazardous waste in a:

- a. Container that meets 3745-66-70 to 3745-66-77? Yes No N/A
- b. Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97(C)? Yes No N/A
- c. Drip pads that meet 3745-69-40 to 3745-69-45? Yes No N/A
- d. Containment building that meets 3745-256-100 to 3745-256-102? Yes No N/A

NOTE: Complete appropriate checklist for each unit.

NOTE: If the CESQG conducts treatment they are subject to the LQG requirements.

NOTE: If waste is treated to meet LDRs, use LDR checklist.

REMARKS

#1 - Fluorescent Bulbs

**USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS**

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS

1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
<i>NOTE: For example, used oil contaminated scrap metal stored in a pile.</i>		
2.	Is used oil used as a dust suppressant? [3745-279-12(B)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., if generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).

GENERATOR STANDARDS

4.	Does the generator mix hazardous waste with used oil? If so,	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.

5.	Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.

6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
8.	Are <u>containers</u> , above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)]	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]	
a.	Stopped the release?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
b.	Contained the release?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
c.	Cleaned up and properly managed the used oil and other materials?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

ON-SITE BURNING IN SPACE HEATER

10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

b.	Is the heater designed to have a maximum capacity of not more than 0.5 million BTU per hour?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
c.	Are the combustion gases from heater vented to the ambient air?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).

GENERATOR TRANSPORTATION

11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#? Chemtron	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
12.	If the generator self-transported used oil to an approved collection site or to an aggregation point owned by the generator. [3745-279-24]	
a.	Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator?[3745-279-24]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
b.	Does the generator transport more than 55 gallons of used oil at any time?[3745-279-24]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).

COLLECTION CENTERS AND AGGREGATION POINTS

13.	Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
14.	Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
15.	Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32]	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.